**Irradiator**

The use of gamma irradiation to the whole body in animals (rodents) and/or cells has been a major research model for many years. The Mount Sinai Medical center hosts two Shepard, Cesium source irradiators in support of this research. Due to regulatory and Homeland Security concerns the two irradiators were brought under the CORE program. As a result a dedicated technician has been hired and trained to oversee the equipment but more importantly to assist researchers with their studies. Rather than training new post-docs and students on the use of the machine(s), the technician performs all exposures. The result has been greater consistency and reduced down time for the machines. These machines are housed within the central vivarium due to the proximity of the animals used in the various studies. A separate entrance has been designed such that non animal users are not required to enter the main animal barriers.

For more information:
Visit: [http://icahn.mssm.edu/research/resources/shared-resource-facilities/irradiator](http://icahn.mssm.edu/research/resources/shared-resource-facilities/irradiator)
Email: kevin.kelley@mssm.edu
Last Update: June 10, 2016